| FIRST & FINAL BILL | | |
|---|---|---|
| Division | | Byatarayanapura |
| Sub Division | | Kodigehalli |
| Head of Account | | P-3333 |
| Estimated cost | | 46.00 Lakhs |
| Name of the Agency | | Sri:.G.Madhava Naik |
| Job Number | | 08-18-000007 |
| Work order no | | BBMP/EE/BTP/WO/19/18-19 |
| AS No. | | AS/EE(BTP)/164/17-18 Dt; 27-01-2018 |
| TS No. | | TS/CE(YNK)/558/17-18 Dt; 27-01-2019 |
| Date of Commencement | | |

Name of work: Improvements to Roads drains and culverts at Bhadrappa layout and surroundings at Kodigehalli Ward No.8

Pre Measurement Recorded on 17-06-2019

Item No 1

Item Name: KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications

| Sl No | Description of work | | No | Dimensions L | B | D | Quantity | Unit | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| | **RCC drain** | | | | | | | | |
| | Marutinagara 7th cross | RHS | 1 | 30.00 | 0.95 | 0.85 | 24.23 | | |
| | | | 1 | 30.00 | 0.95 | 0.85 | 24.23 | | |
| | | | 1 | 3.20 | 0.95 | 0.85 | 2.58 | | |
| | | LHS | 1 | 30.00 | 0.95 | 0.85 | 24.23 | | |
| | | | 1 | 30.00 | 0.95 | 0.85 | 24.23 | | |
| | | | 1 | 2.90 | 0.95 | 0.85 | 2.34 | | |
| | 6th cross | RHS | 1 | 30.00 | 0.95 | 0.85 | 24.23 | | |
| | | | 1 | 30.00 | 0.95 | 0.85 | 24.23 | | |
| | | | 1 | 5.20 | 0.95 | 0.85 | 4.20 | | |
| | 5th cross | LHS | 1 | 30.00 | 0.95 | 0.85 | 24.23 | | |
| | | | 1 | 30.00 | 0.95 | 0.85 | 24.23 | | |
| | | | 1 | 8.30 | 0.95 | 0.85 | 6.70 | | |
| | | RHS | 1 | 30.00 | 0.95 | 0.85 | 24.23 | | |
| | | | 1 | 30.00 | 0.95 | 0.85 | 24.23 | | |
| | | | 1 | 8.50 | 0.95 | 0.85 | 6.86 | | |
| | 4th cross | LHS | 1 | 30.00 | 0.95 | 0.85 | 24.23 | | |
| | | | 1 | 30.00 | 0.95 | 0.85 | 24.23 | | |
| | | | 1 | 10.00 | 0.95 | 0.85 | 8.08 | | |
| | | RHS | 1 | 30.00 | 0.95 | 0.85 | 24.23 | | |
| | | | 1 | 30.00 | 0.95 | 0.85 | 24.23 | | |
| | | | 1 | 9.90 | 0.95 | 0.85 | 7.99 | | |
| | 3rd cross | LHS | 1 | 30.00 | 0.95 | 0.85 | 24.23 | | |
| | | | 1 | 24.80 | 0.95 | 0.85 | 20.03 | | |
| | | RHS | 1 | 30.00 | 0.95 | 0.85 | 24.23 | | |

446.39

| Sl No | Description of work | | No | Dimensions | | | Quantity | Unit | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| | | | | L | B | D | | | |
| | | | 1 | 25.20 | 0.95 | 0.85 | 20.35 | | |
| | 2nd cross | RHS | 1 | 30.00 | 0.95 | 0.85 | 24.23 | | |
| | | | 1 | 20.00 | 0.95 | 0.85 | 16.15 | | |
| | | | 1 | 12.50 | 0.95 | 0.85 | 10.09 | | |
| | | LHS | 1 | 30.00 | 0.95 | 0.90 | 25.65 | | |
| | | | 1 | 8.20 | 0.95 | 0.90 | 7.01 | | |
| | | | | | | Total | 549.86 | Cum | |
| | | | | | Qty ltd to | | 548.72 | Cum | |
| | | | | | | | | | |

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

Name of work: Improvements to Roads drains and culverts at Bhadrappa layout and surroundings at Kodigehalli Ward No.8

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Pre Measurement Recorded on | | 19-06-2019 | | | | | | | |
| | Item No | 2 | | | | | | | | |
| | Item Name | KSRB 4-1.2 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. | | | | | | | | |
| Sl No | Description of work | | | No | Dimensions | | | Quantity | Unit | Remarks |
| | | | | | L | B | D | | | |
| | RCC drain bed | | | | | | | | | |
| | Marutinagara 7th cross | RHS | | 1 | 30.00 | 0.95 | 0.15 | 4.28 | | |
| | | | | 1 | 30.00 | 0.95 | 0.15 | 4.28 | | |
| | | | | 1 | 3.20 | 0.95 | 0.15 | 0.46 | | |
| | | LHS | | 1 | 30.00 | 0.95 | 0.15 | 4.28 | | |
| | | | | 1 | 30.00 | 0.95 | 0.15 | 4.28 | | |
| | | | | 1 | 2.90 | 0.95 | 0.15 | 0.41 | | |
| | 6th cross | RHS | | 1 | 30.00 | 0.95 | 0.15 | 4.28 | | |
| | | | | 1 | 30.00 | 0.95 | 0.15 | 4.28 | | |
| | | | | 1 | 5.20 | 0.95 | 0.15 | 0.74 | | |
| | 5th cross | LHS | | 1 | 30.00 | 0.95 | 0.15 | 4.28 | | |
| | | | | 1 | 30.00 | 0.95 | 0.15 | 4.28 | | |
| | | | | 1 | 8.30 | 0.95 | 0.15 | 1.18 | | |
| | | RHS | | 1 | 30.00 | 0.95 | 0.15 | 4.28 | | |
| | | | | 1 | 30.00 | 0.95 | 0.15 | 4.28 | | |
| | | | | 1 | 8.50 | 0.95 | 0.15 | 1.21 | | |
| | 4th cross | LHS | | 1 | 30.00 | 0.95 | 0.15 | 4.28 | | |
| | | | | 1 | 30.00 | 0.95 | 0.15 | 4.28 | | |
| | | | | 1 | 10.00 | 0.95 | 0.15 | 1.43 | | |
| | | RHS | | 1 | 30.00 | 0.95 | 0.15 | 4.28 | | |
| | | | | 1 | 30.00 | 0.95 | 0.15 | 4.28 | | |
| | | | | 1 | 9.90 | 0.95 | 0.15 | 1.41 | | |
| | 3rd cross | LHS | | 1 | 30.00 | 0.95 | 0.15 | 4.28 | | |
| | | | | 1 | 24.80 | 0.95 | 0.15 | 3.53 | | |
| | | RHS | | 1 | 30.00 | 0.95 | 0.15 | 4.28 | | |
| | | | | 1 | 25.20 | 0.95 | 0.15 | 3.59 | | |
| | 2nd cross | RHS | | 1 | 30.00 | 0.95 | 0.15 | 4.28 | | |
| | | | | 1 | 20.00 | 0.95 | 0.15 | 2.85 | | |
| | | | | 1 | 12.50 | 0.95 | 0.15 | 1.78 | | |
| | | LHS | | 1 | 30.00 | 0.95 | 0.15 | 4.28 | | |
| | | | | 1 | 8.20 | 0.95 | 0.15 | 1.17 | | |
| | | | | | | | Total | 96.71 | Cum | |
| | | | | | | | Qty ltd to | 96.62 | Cum | |

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.
Bangalore.

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.
Bangalore.

Name of work: Improvements to Roads drains and culverts at Bhadrappa layout and surroundings at Kodigehalli Ward No.8

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Pre Measurement Recorded on | 24-06-2019 | | | | | | | | |
| | Item No | 3 | | | | | | | | |
| | Item Name | KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2 | | | | | | | | |
| Sl No | Description of work | | No | Dimensions | | | Quantity | Unit | Remarks | |
| | | | | L | B | D | | | | |
| | RCC drain bed | | | | | | | | | |
| | Marutinagara 7th cross | RHS | 1x2 | 30.00 | | 0.15 | 9.00 | | | |
| | | | 1x2 | 30.00 | | 0.15 | 9.00 | | | |
| | | | 1x2 | 3.20 | | 0.15 | 0.96 | | | |
| | | LHS | 1x2 | 30.00 | | 0.15 | 9.00 | | | |
| | | | 1x2 | 30.00 | | 0.15 | 9.00 | | | |
| | | | 1x2 | 2.90 | | 0.15 | 0.87 | | | |
| | 6th cross | RHS | 1x2 | 30.00 | | 0.15 | 9.00 | | | |
| | | | 1x2 | 30.00 | | 0.15 | 9.00 | | | |
| | | | 1x2 | 5.20 | | 0.15 | 1.56 | | | |
| | 5th cross | LHS | 1x2 | 30.00 | | 0.15 | 9.00 | | | |
| | | | 1x2 | 30.00 | | 0.15 | 9.00 | | | |
| | | | 1x2 | 8.30 | | 0.15 | 2.49 | | | |
| | | RHS | 1x2 | 30.00 | | 0.15 | 9.00 | | | |
| | | | 1x2 | 30.00 | | 0.15 | 9.00 | | | |
| | | | 1x2 | 8.50 | | 0.15 | 2.55 | | | |
| | 4th cross | LHS | 1x2 | 30.00 | | 0.15 | 9.00 | | | |
| | | | 1x2 | 30.00 | | 0.15 | 9.00 | | | |
| | | | 1x2 | 10.00 | | 0.15 | 3.00 | | | |
| | | RHS | 1x2 | 30.00 | | 0.15 | 9.00 | | | |
| | | | 1x2 | 30.00 | | 0.15 | 9.00 | | | |
| | | | 1x2 | 9.90 | | 0.15 | 2.97 | | | |
| | 3rd cross | LHS | 1x2 | 30.00 | | 0.15 | 9.00 | | | |
| | | | 1x2 | 24.80 | | 0.15 | 7.44 | | | |
| | | RHS | 1x2 | 30.00 | | 0.15 | 9.00 | | | |
| | | | 1x2 | 25.20 | | 0.15 | 7.56 | | | |
| | 2nd cross | RHS | 1x2 | 30.00 | | 0.15 | 9.00 | | | |
| | | | 1x2 | 20.00 | | 0.15 | 6.00 | | | |
| | | | 1x2 | 12.50 | | 0.15 | 3.75 | | | |
| | | LHS | 1x2 | 30.00 | | 0.15 | 9.00 | | | |
| | | | 1x2 | 8.20 | | 0.15 | 2.46 | | | |
| | | | | | | Total | 203.61 | Sqm | | |
| | | | | | | Qty ltd to | 203.40 | Sqm | | |

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

Name of work: Improvements to Roads drains and culverts at Bhadrappa layout and surroundings at Kodigehalli Ward No.8

Pre Measurement Recorded on 24-06-2019

Item No 4

Item Name: KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2

| Sl No | Description of work | | No | Dimensions L | B | D | Quantity | Unit | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| | **RCC drain bed** | | | | | | | | |
| | Marutinagara 7th cross | RHS | 2x2 | 30.00 | | 0.60 | 72.00 | | |
| | | | 2x2 | 30.00 | | 0.60 | 72.00 | | |
| | | | 2x2 | 3.20 | | 0.60 | 7.68 | | |
| | | LHS | 2x2 | 30.00 | | 0.60 | 72.00 | | |
| | | | 2x2 | 30.00 | | 0.60 | 72.00 | | |
| | | | 2x2 | 2.90 | | 0.60 | 6.96 | | |
| | 6th cross | RHS | 2x2 | 30.00 | | 0.60 | 72.00 | | |
| | | | 2x2 | 30.00 | | 0.60 | 72.00 | | |
| | | | 2x2 | 5.20 | | 0.60 | 12.48 | | |
| | 5th cross | LHS | 2x2 | 30.00 | | 0.60 | 72.00 | | |
| | | | 2x2 | 30.00 | | 0.60 | 72.00 | | |
| | | | 2x2 | 8.30 | | 0.60 | 19.92 | | |
| | | RHS | 2x2 | 30.00 | | 0.60 | 72.00 | | |
| | | | 2x2 | 30.00 | | 0.60 | 72.00 | | |
| | | | 2x2 | 8.50 | | 0.60 | 20.40 | | |
| | 4th cross | LHS | 2x2 | 30.00 | | 0.60 | 72.00 | | |
| | | | 2x2 | 30.00 | | 0.60 | 72.00 | | |
| | | | 2x2 | 10.00 | | 0.60 | 24.00 | | |
| | | RHS | 2x2 | 30.00 | | 0.60 | 72.00 | | |
| | | | 2x2 | 30.00 | | 0.60 | 72.00 | | |
| | | | 2x2 | 9.90 | | 0.60 | 23.76 | | |
| | 3rd cross | LHS | 2x2 | 30.00 | | 0.60 | 72.00 | | |
| | | | 2x2 | 24.80 | | 0.60 | 59.52 | | |
| | | RHS | 2x2 | 30.00 | | 0.60 | 72.00 | | |
| | | | 2x2 | 25.20 | | 0.60 | 60.48 | | |
| | 2nd cross | RHS | 2x2 | 30.00 | | 0.60 | 72.00 | | |
| | | | 2x2 | 20.00 | | 0.60 | 48.00 | | |
| | | | 2x2 | 12.50 | | 0.60 | 30.00 | | |
| | | LHS | 2x2 | 30.00 | | 0.60 | 72.00 | | |
| | | | 2x2 | 8.20 | | 0.60 | 19.68 | | |
| | | | | | | Total | 1628.88 | Sqm | |
| | | | | | | Qty ltd to | 1576.80 | Sqm | |

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

Name of work: Improvements to Roads drains and culverts at Bhadrappa layout and surroundings at Kodigehalli Ward No.8

Pre Measurement Recorded on 24-06-2019

Item No 5

Item Name: KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 -do- TMT Bars Fe 500 P.17/lt.No.4.46.2 of 2016-17 P W D SR)

| Sl No | Description of work | | No | Dimensions L | B | D | Quantity | Unit | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| | Dia of bars | | No.of Bars | Length | Total Length/R mtr | Kg/Rmtr | Total in Kg | | |
| | 10mm dia main bar spacing at 150mm c/c | | 422 | 1.95 | 823.55 | 0.62 | 510.60 | | |
| | 8mm dia Distribution bar spacing at 150mm c/c | | 20 | 63.20 | 1264.00 | 0.39 | 492.96 | | |
| | 10mm dia main bar spacing at 150mm c/c | | 421 | 1.95 | 820.95 | 0.62 | 508.99 | | |
| | 8mm dia Distribution bar spacing at 150mm c/c | | 20 | 62.90 | 1258.00 | 0.39 | 490.62 | | |
| | 10mm dia main bar spacing at 150mm c/c | | 437 | 1.95 | 852.15 | 0.62 | 528.33 | | |
| | 8mm dia Distribution bar spacing at 150mm c/c | | 20 | 65.20 | 1304.00 | 0.39 | 508.56 | | |
| | 10mm dia main bar spacing at 150mm c/c | | 457 | 1.95 | 891.15 | 0.62 | 552.51 | | |
| | 8mm dia Distribution bar spacing at 150mm c/c | | 20 | 68.30 | 1366.00 | 0.39 | 532.74 | | |
| | 10mm dia main bar spacing at 150mm c/c | | 459 | 1.95 | 895.05 | 0.62 | 554.93 | | |
| | 8mm dia Distribution bar spacing at 150mm c/c | | 20 | 68.50 | 1370.00 | 0.39 | 534.30 | | |
| | 10mm dia main bar spacing at 150mm c/c | | 469 | 1.95 | 914.55 | 0.62 | 567.02 | | |
| | 8mm dia Distribution bar spacing at 150mm c/c | | 20 | 70.00 | 1400.00 | 0.39 | 546.00 | | |
| | 10mm dia main bar spacing at 150mm c/c | | 468 | 1.95 | 912.60 | 0.62 | 565.81 | | |
| | 8mm dia Distribution bar spacing at 150mm c/c | | 20 | 69.90 | 1398.00 | 0.39 | 545.22 | | |
| | 10mm dia main bar spacing at 150mm c/c | | 367 | 1.95 | 715.65 | 0.62 | 443.70 | | |
| | 8mm dia Distribution bar spacing at 150mm c/c | | 20 | 54.80 | 1096.00 | 0.39 | 427.44 | | |
| | 10mm dia main bar spacing at 150mm c/c | | 370 | 1.95 | 721.50 | 0.62 | 447.33 | | |
| | 8mm dia Distribution bar spacing at 150mm c/c | | 20 | 55.20 | 1104.00 | 0.39 | 430.56 | | |
| | 10mm dia main bar spacing at 150mm c/c | | 419 | 1.95 | 817.05 | 0.62 | 506.57 | | |
| | 8mm dia Distribution bar spacing at 150mm c/c | | 20 | 62.50 | 1250.00 | 0.39 | 487.50 | | |
| | 10mm dia main bar spacing at 150mm c/c | | 257 | 1.95 | 501.15 | 0.62 | 310.71 | | |
| | 8mm dia Distribution bar spacing at 150mm c/c | | 20 | 38.20 | 764.00 | 0.39 | 297.96 | | |
| | | | | | | Total | 10790.38 | Kgs | |
| | | | | | | Total | 10.79 | Tonnes | |
| | | | | | | Qty ltd to | 10.70 | Tonnes | |

510.20

10789.97

10.789

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

Name of work: Improvements to Roads drains and culverts at Bhadrappa layout and surroundings at Kodigehalli Ward No.8

Measurement Recorded on 6-8-2019

Item No 6

Item Name: Providing and laying cement concrete using 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) M 20 for R.C.C works laid in 15 cms thick layers and well compacted vibrating, curing, for raft foundation column footing , main and secondary beams with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.)

| Sl No | Description of work | | No | Dimensions L | B | D | Quantity | Unit | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| | **RCC drain bottom raft** | | | | | | | | |
| | Marutinagara 7th cross | RHS | 1 | 30.00 | 0.75 | 0.15 | 3.38 | | |
| | | | 1 | 30.00 | 0.75 | 0.15 | 3.38 | | |
| | | | 1 | 3.20 | 0.75 | 0.15 | 0.36 | | |
| | Sidewall | | 2 | 63.20 | 0.15 | 0.60 | 11.38 | | |
| | | LHS | 1 | 30.00 | 0.75 | 0.15 | 3.38 | | |
| | | | 1 | 30.00 | 0.75 | 0.15 | 3.38 | | |
| | | | 1 | 2.90 | 0.75 | 0.15 | 0.33 | | |
| | Sidewall | | 2 | 62.90 | 0.15 | 0.60 | 11.32 | | |
| | 6th cross | RHS | 1 | 30.00 | 0.75 | 0.15 | 3.38 | | |
| | | | 1 | 30.00 | 0.75 | 0.15 | 3.38 | | |
| | | | 1 | 5.20 | 0.75 | 0.15 | 0.59 | | |
| | Sidewall | | 2 | 65.20 | 0.15 | 0.60 | 11.74 | | |
| | 5th cross | LHS | 1 | 30.00 | 0.75 | 0.15 | 3.38 | | |
| | | | 1 | 30.00 | 0.75 | 0.15 | 3.38 | | |
| | | | 1 | 8.30 | 0.75 | 0.15 | 0.93 | | |
| | Sidewall | | 2 | 68.30 | 0.15 | 0.60 | 12.29 | | |
| | | RHS | 1 | 30.00 | 0.75 | 0.15 | 3.38 | | |
| | | | 1 | 30.00 | 0.75 | 0.15 | 3.38 | | |
| | | | 1 | 8.50 | 0.75 | 0.15 | 0.96 | | |
| | Sidewall | | 2 | 68.50 | 0.15 | 0.60 | 12.33 | | |
| | 4th cross | LHS | 1 | 30.00 | 0.75 | 0.15 | 3.38 | | |
| | | | 1 | 30.00 | 0.75 | 0.15 | 3.38 | | |
| | | | 1 | 10.00 | 0.75 | 0.15 | 1.13 | | |
| | Sidewall | | 2 | 70.00 | 0.15 | 0.60 | 12.60 | | |
| | | RHS | 1 | 30.00 | 0.75 | 0.15 | 3.38 | | |
| | | | 1 | 30.00 | 0.75 | 0.15 | 3.38 | | |
| | | | 1 | 9.90 | 0.75 | 0.15 | 1.11 | | |
| | Sidewall | | 2 | 69.90 | 0.15 | 0.55 | 11.53 | | |
| | 3rd cross | LHS | 1 | 30.00 | 0.75 | 0.15 | 3.38 | | |
| | | | 1 | 24.80 | 0.75 | 0.15 | 2.79 | | |
| | Sidewall | | 2 | 54.80 | 0.15 | 0.60 | 9.86 | | |
| | | RHS | 1 | 30.00 | 0.75 | 0.15 | 3.38 | | |

155.25

| Sl No | Description of work | | No | Dimensions | | | Quantity | Unit | Rem |
|---|---|---|---|---|---|---|---|---|---|
| | | | | L | B | D | | | |
| | | | 1 | 25.20 | 0.75 | 0.15 | 2.84 | | |
| | Sidewall | | 2 | 55.20 | 0.15 | 0.60 | 9.94 | | |
| | 2nd cross | RHS | 1 | 30.00 | 0.75 | 0.15 | 3.38 | | |
| | | | 1 | 20.00 | 0.75 | 0.15 | 2.25 | | |
| | | | 1 | 12.50 | 0.75 | 0.15 | 1.41 | | |
| | Sidewall | | 2 | 62.50 | 0.15 | 0.55 | 10.31 | | |
| | | LHS | 1 | 30.00 | 0.75 | 0.15 | 3.38 | | |
| | | | 1 | 8.20 | 0.75 | 0.15 | 0.92 | | |
| | Sidewall | | 2 | 38.20 | 0.15 | 0.50 | 5.73 | | |
| | | | | | | Total | 195.39 | Cum | |
| | | | | | Qty ltd to | | 194.54 | Cum | |

Assistant Engineer

Assistant Executive Engineer
Kodigena Sub Divis
Yelahanka Zone, B.B.M
Bangalore

Name of work: Improvements to Roads drains and culverts at Bhadrappa layout and surroundings at Kodigehalli Ward No.8

Measurement Recorded on 6-8-2019

Item No 7

Item Name: Providing and fixing RCC precast cover slab of 100mm thick for drain in cement concrete M20 using graded granite jelley 20mm and down size with steel reinforcement including form work lift charges, curing and concrete finished surfaces on both sides etc., complete and as per drawing and the direction of Engineer in charge(Data Rate)

| Sl No | Description of work | | No | Dimensions L | Dimensions B | Dimensions D | Quantity | Unit | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| | RCC drain | | | | | | | | |
| | Marutinagara 7th cross | RHS | 1 | 30.00 | 0.75 | | 22.50 | | |
| | | | 1 | 30.00 | 0.75 | | 22.50 | | |
| | | | 1 | 3.20 | 0.75 | | 2.40 | | |
| | | LHS | 1 | 30.00 | 0.75 | | 22.50 | | |
| | | | 1 | 30.00 | 0.75 | | 22.50 | | |
| | | | 1 | 2.90 | 0.75 | | 2.18 | | |
| | 6th cross | RHS | 1 | 30.00 | 0.75 | | 22.50 | | |
| | | | 1 | 30.00 | 0.75 | | 22.50 | | |
| | | | 1 | 5.20 | 0.75 | | 3.90 | | |
| | 5th cross | LHS | 1 | 30.00 | 0.75 | | 22.50 | | |
| | | | 1 | 30.00 | 0.75 | | 22.50 | | |
| | | | 1 | 8.30 | 0.75 | | 6.23 | | |
| | | RHS | 1 | 30.00 | 0.75 | | 22.50 | | |
| | | | 1 | 30.00 | 0.75 | | 22.50 | | |
| | | | 1 | 8.50 | 0.75 | | 6.38 | | |
| | 4th cross | LHS | 1 | 30.00 | 0.75 | | 22.50 | | |
| | | | 1 | 30.00 | 0.75 | | 22.50 | | |
| | | | 1 | 10.00 | 0.75 | | 7.50 | | |
| | | RHS | 1 | 30.00 | 0.75 | | 22.50 | | |
| | | | 1 | 30.00 | 0.75 | | 22.50 | | |
| | | | 1 | 9.90 | 0.75 | | 7.43 | | |
| | 3rd cross | LHS | 1 | 30.00 | 0.75 | | 22.50 | | |
| | | | 1 | 24.80 | 0.75 | | 18.60 | | |
| | | RHS | 1 | 30.00 | 0.75 | | 22.50 | | |
| | | | 1 | 25.20 | 0.75 | | 18.90 | | |
| | 2nd cross | RHS | 1 | 30.00 | 0.75 | | 22.50 | | |
| | | | 1 | 20.00 | 0.75 | | 15.00 | | |
| | | | 1 | 12.50 | 0.75 | | 9.38 | | |
| | | LHS | 1 | 30.00 | 0.75 | | 22.50 | | |
| | | | 1 | 8.20 | 0.75 | | 6.15 | | |
| | | | | | | Total | 509.03 | Sqm | |
| | | | | | | Qty Itd to | 508.50 | Sqm | |

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

Name of work: Improvements to Roads drains and culverts at Bhadrappa layout and surroundings at Kodigehalli Ward No.8

Measurement Recorded on 6-8-09

Item No 8

Item Name: KSRB 4-1.6 ; Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2

| Sl No | Description of work | | No | Dimensions L | B | D | Quantity | Unit | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| | side slope cc | | | | | | | | |
| | Marutinagara 7th cross | RHS | 1 | 30.00 | 0.15 | 0.10 | 0.45 | | |
| | | | 1 | 30.00 | 0.15 | 0.10 | 0.45 | | |
| | | | 1 | 3.20 | 0.15 | 0.10 | 0.05 | | |
| | | LHS | 1 | 30.00 | 0.15 | 0.10 | 0.45 | | |
| | | | 1 | 30.00 | 0.15 | 0.10 | 0.45 | | |
| | | | 1 | 2.90 | 0.15 | 0.10 | 0.04 | | |
| | 6th cross | RHS | 1 | 30.00 | 0.15 | 0.10 | 0.45 | | |
| | | | 1 | 30.00 | 0.15 | 0.10 | 0.45 | | |
| | | | 1 | 5.20 | 0.15 | 0.10 | 0.08 | | |
| | 5th cross | LHS | 1 | 30.00 | 0.15 | 0.10 | 0.45 | | |
| | | | 1 | 30.00 | 0.15 | 0.10 | 0.45 | | |
| | | | 1 | 8.30 | 0.15 | 0.10 | 0.12 | | |
| | | RHS | 1 | 30.00 | 0.15 | 0.10 | 0.45 | | |
| | | | 1 | 30.00 | 0.15 | 0.10 | 0.45 | | |
| | | | 1 | 8.50 | 0.15 | 0.10 | 0.13 | | |
| | 4th cross | LHS | 1 | 30.00 | 0.15 | 0.10 | 0.45 | | |
| | | | 1 | 30.00 | 0.15 | 0.10 | 0.45 | | |
| | | | 1 | 10.00 | 0.15 | 0.10 | 0.15 | | |
| | | RHS | 1 | 30.00 | 0.15 | 0.10 | 0.45 | | |
| | | | 1 | 30.00 | 0.15 | 0.10 | 0.45 | | |
| | | | 1 | 9.90 | 0.15 | 0.10 | 0.15 | | |
| | 3rd cross | LHS | 1 | 30.00 | 0.15 | 0.10 | 0.45 | | |
| | | | 1 | 24.80 | 0.15 | 0.10 | 0.37 | | |
| | | RHS | 1 | 30.00 | 0.15 | 0.10 | 0.45 | | |
| | | | 1 | 25.20 | 0.15 | 0.10 | 0.38 | | |
| | 2nd cross | RHS | 1 | 30.00 | 0.15 | 0.10 | 0.45 | | |
| | | | 1 | 20.00 | 0.15 | 0.10 | 0.30 | | |
| | | | 1 | 12.50 | 0.15 | 0.10 | 0.19 | | |
| | | LHS | 1 | 30.00 | 0.15 | 0.10 | 0.45 | | |
| | | | 1 | 8.20 | 0.15 | 0.10 | 0.12 | | |
| | | | | | | Total | 10.18 | Cum | |
| | | | | | | Qty ltd to | 10.17 | Cum | |

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

## ABSTRACT BILL

*Name of work: Improvements to Roads drains and culverts at Bhadrappa layout and surroundings at Kodigehalli Ward No.8*

| Tender item no | Description | Unit | previous | | Present | | | Upto date | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Quantity | Amount | Quantity | Rate | Amount | Quantity | Amount |
| 1 | KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications | Cum | | | 548.72 | 200.00 | 109744.00 | 548.72 | 109744.00 |
| 2 | KSRB 4-1.2 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. | Cum | | | 96.62 | 5800.00 | 560396.00 | 96.62 | 560396.00 |
| 3 | KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2 | Sqm | | | 203.40 | 275.00 | 55935.00 | 203.40 | 55935.00 |
| 4 | KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 | Sqm | | | 1576.80 | 350.00 | 551880.00 | 1576.80 | 551880.00 |
| 5 | Providing and laying cement concrete using 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) M 20 for R.C.C works laid in 15 cms thick layers and well compacted vibrating, curing, for raft foundation column footing , main and secondary beams with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) | Cum | | | 194.54 | 6900.00 | 1342326.00 | 194.54 | 1342326.00 |

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

| Tender item no | Description | Unit | previous | | Present | | | Upto date | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Quantity | Amount | Quantity | Rate | Amount | Quantity | Amount |
| 6 | KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 -do- TMT Bars Fe 500 P.17/It.No.4.46.2 of 2016-17 P W-D SR) | MT | | | 10.70 | 70000.00 | 749000.00 | 10.70 | 749000.00 |
| 7 | Providing and fixing RCC precast cover slab of 100mm thick for drain in cement concrete M20 using graded granite jelley 20mm and down size with steel reinforcement including form work lift charges, curing and concrete finished surfaces on both sides etc., complete and as per drawing and the direction of Engineer in charge(Data Rate) | Sqm | | | 508.50 | 2000.00 | 1017000.00 | 508.50 | 1017000.00 |
| 8 | KSRB 4-1.6 ; Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 | Cum | | | 10.17 | 6300.00 | 64071.00 | 10.17 | 64071.00 |
| | | | | | | TOTAL | *4450352.00* | | *4450352.00* |

Assistant Engineer
Ward No.8

Assistant Executive Engineer
Kodigehalli Sub division

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

Executive Engineer
Byatarayanapura Division